

CLAIMS

What is claimed is:

1. An irrigation system that is configured to distribute an irrigation fluid into a soil, comprising:
 - a first layer having a first aperture;
 - a second layer secured to said first layer to form a fluid cavity for receiving the irrigation fluid, said second layer having a second aperture that is at least partially aligned with said first aperture to form a soil aperture that is configured to pass at least a portion of the soil; and
 - a fluid distributor formed between said first layer and said second layer, said fluid distributor configured to emit the irrigation fluid contained in said fluid cavity into the soil aperture such that that the irrigation fluid is distributed into the soil.
2. The irrigation system of claim 1, said fluid distributor comprising:
 - a first aperture configured to receive the irrigation fluid from said fluid cavity;
 - a second aperture configured to distribute the irrigation fluid into said soil aperture;and
 - a passage connecting said first aperture and said second aperture.
3. The irrigation system of claim 2, wherein said passage extends through a secured edge of said first layer and said second layer.
4. The irrigation system of claim 2, wherein said passage is a torturous path.
5. The irrigation system of claim 2, wherein said passage comprises a porous material.
6. The irrigation system of claim 1, wherein said soil aperture has a rectangular shape.
7. The irrigation system of claim 1, wherein said second layer is adhesively secured to said first layer to form said fluid cavity for receiving the irrigation fluid.
8. The irrigation system of claim 1, wherein said first layer and said second layer are provided with multiple sheets of material.

9. The irrigation system of claim 1, wherein said first layer and said second layer are provided with a single sheet of material.
10. The irrigation system of claim 1, wherein said first layer is a sheet of semi-flexible material.
11. The irrigation system of claim 1, wherein said first layer is a sheet of porous material.
12. The irrigation system of claim 1, wherein said first layer has at least one seep hole.
13. The irrigation system of claim 1, wherein said first layer has a plurality of seep holes.
14. An irrigation system that is configured to distribute an irrigation fluid into a soil, comprising:
 - a first layer having a first plurality of apertures;
 - a second layer secured to said first layer to form a fluid cavity for receiving the irrigation fluid, said second layer having a second plurality of apertures that are at least partially aligned with said first plurality of apertures to form a plurality of soil apertures that are configured to pass at least a portion of the soil; and
 - a plurality of fluid distributors formed between said first layer and said second layer, said plurality of fluid distributors configured to emit the irrigation contained in said fluid cavity into said plurality of soil apertures such that the irrigation fluid is distributed into the soil.
15. The irrigation system of claim 14, at least one of said plurality of fluid distributors comprising:
 - a first aperture configured to receive the irrigation fluid from said fluid cavity;
 - a second aperture configured to distribute the irrigation fluid into at least one of said plurality of soil apertures; and
 - a passage connecting said first aperture and said second aperture.

16. The irrigation system of claim 15, wherein said passage extends through a secured edge of said first layer and said second layer.
17. The irrigation system of claim 15, wherein said passage is a torturous path.
18. The irrigation system of claim 15, wherein said passage comprises a porous material.
19. The irrigation system of claim 14, wherein at least one of said plurality of soil aperture has a rectangular shape.
20. The irrigation system of claim 14, wherein said second layer is adhesively secured to said first layer to form said fluid cavity for receiving the irrigation fluid.
21. The irrigation system of claim 14, wherein said first layer and said second layer are provided with multiple sheets of material.
22. The irrigation system of claim 14, wherein said first layer and said second layer are provided with a single sheet of material.
23. The irrigation system of claim 14, wherein said first layer is a sheet of semi-flexible material.
24. The irrigation system of claim 14, wherein said first layer is a sheet of porous material.
25. The irrigation system of claim 14, wherein said first layer has at least one seep hole.
26. The irrigation system of claim 14, wherein said first layer has a plurality of seep holes.